

Minimum Remove to Make Valid Parentheses [\(View\)](#)

Given a string `s` of `'('`, `)'` and lowercase English characters.

Your task is to remove the minimum number of parentheses (`'('` or `)'`, in any positions) so that the resulting *parentheses string* is valid and return **any** valid string.

Formally, a *parentheses string* is valid if and only if:

- It is the empty string, contains only lowercase characters, or
- It can be written as `AB` (`A` concatenated with `B`), where `A` and `B` are valid strings, or
- It can be written as `(A)`, where `A` is a valid string.

Example 1:

Input: `s = "lee(t(c)o)de"`

Output: `"lee(t(c)o)de"`

Explanation: `"lee(t(co)de)"` , `"lee(t(c)ode)"` would also be accepted.

Example 2:

Input: `s = "a)b(c)d"`

Output: `"ab(c)d"`

Example 3:

Input: `s = "))(("`

Output: `""`

Explanation: An empty string is also valid.

Constraints:

- `1 <= s.length <= 105`
- `s[i]` is either `'('`, `)'`, or lowercase English letter.